SPECIAL REPORT

OF THE

COMMISSIONER OF AGRICULTURE AND LABOR

TO THE

GOVERNOR OF NORTH DAKOTA

FOR THE YEAR 1893.

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GRAND FORKS, N. D.:
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LETTER OF TRANSMITTAL.

STATE OF NORTH DAKOTA,
DEPARTMENT OF AGRICULTURE AND LABOR,
BISMARCK, January 13, 1894.

To His Excellency,
E. C. D. SHORTRIDGE,
Governor of the State of North Dakota.

SIR: I have the honor to submit herewith a Special Report embracing agricultural and other industrial statistics of this State for the year 1893, under the provisions of chapter ninety-nine of the laws of 1891.

Very respectfully,

NELSON WILLIAMS,

Commissioner of Agriculture and Labor
and Ex-officio State Statistician.

Approved:

E. C. D. SHORTRIDGE,

Governor.

AGRICULTURAL STATISTICS.

The materials for the following tables are all from the returns of the assessors—except the average yield and product for 1893, which are the estimates of a large number of farmers and others in each county.

As the law of this State provides, the acreage of each crop is obtained twice—for the year in which the crops grew, and again the following year when both acreage and product are obtained.

This gives a check in the matter of acreage, and enables serious errors to be avoided. It is probably unnecessary to say that the acreages of the same crop taken in two successive years seldom agree, owing to imperfection in the work of the assessors, removals of farmers from the county, and errors on the part of those that answer the questions. The assessors make their rounds in the spring, during or soon after seeding, and some farmers are at that time disposed to exaggerate their acreage in crops; while when the next year's assessors come around and inquire about the previous year's crops the tendency is frequently to understate the acreages so as to show larger yields. But despite this, the experience in this and other States leads to the belief that the acreages returned by the assessors are seldom large enough. The testimony of those who have had long experience in handling crop statistics for the United States Government is, that the assessors' returns on acreages are almost always too low. The Commissioner has borne this fact in mind while endeavoring to harmonize the two sets of acreages returned for the same crop, and where the evidences in support of the two returns were equally good, the larger acreage has usually been adopted, or else an average of the two. In all cases of marked discrepancies the question has been referred back to the county auditors, who can usually detect the error by a re-examination of the returns of the assessors; and where the auditor makes a recommendation in favor of either set of acreages his judgment is followed.

The average yield for the current year is obtained by averaging the estimates of six or eight hundred crop correspondents, well distributed over every county. These estimates are first

scrutinized, and all unreasonably large figures eliminated, so that the result is believed to be conservative. By examining the estimates formerly made by this office, it was found that wheat was under-estimated about two million bushels in 1890; and more than four million bushels in 1892; while it was over-estimated probably four million bushels in 1891. The over estimate was for a good crop, while the under-estimates were for rather light crops. It seems to be a tendency to under-estimate a poor crop, and for that reason the estimate given in the tables for wheat in 1893 is believed to be conservative. The estimate made in October by the National Government placed the average yield at nine and a half bushel—about one-seventh of a bushel per acre higher than the figures here given. It may be remarked that the estimates of the National Government have always been conservative, and for 1891 and 1892 were too low for this State.

The tendency of correspondents has always been to over-estimate the yields of the minor crops, and to counteract this their figures have been pruned down more vigorously than has been the case with wheat.

In some cases, where the correspondents failed to estimate the yield of some crop very little grown in the county, this office has supplied conservative figures, in order that each county might be fully represented. Such cases are the yield of flax in Bottineau; rye in McHenry; corn in Cavalier, Eddy, Griggs, Logan, McHenry, Nelson, Rolette and Wells; millet and hungarian in McHenry; other tame grasses in Eddy, Kidder, McHenry, Oliver and Ward; and all crops in Billings, Williams and the unorganized counties. An examination of the tables will show only a very few acres of such crops in any of these counties.

People in all States have to be educated up to statistical work, and a marked improvement can be seen in this State over the returns received a few years ago. If people are annually required to give information about their crops and other industries, they soon begin to learn to keep accounts or to bear in mind the information usually sought by the statistician. In the industrial statistics gathered by this office many persons the past year have apologized for imperfect replies, and added that they intend hereafter to keep accounts and be prepared to give more accurate information. In this respect, then, to say nothing of the chief object and benefit of agricultural and industrial statistics, the statistical inquirer does an immense amount of good in a community if his work stimulates people to keep accounts and to ascertain whether in any branch of their business they are making or losing money.

There is abroad in the Northwest a certain prejudice against the publication of agricultural statistics, under the impression that the information so published is used by speculators to the detriment of the farming classes. This theory is entirely built upon a false premise. The speculative element is not dependent

upon official publications for its information, and often disputes their accuracy. The various boards of trade, millers associations, elevator companies, etc., have agents of their own throughout the country, and receive promptly as reliable information as the statistician can obtain. The official reports can therefore be of no particular service to these associations, except by way of corroboration, for they already possess the same information, which is in most cases withheld from the public and used for the exclusive benefit of the parties that have collected it. Should official crop statistics cease to be published, these speculative agencies would have exclusive information on the subject. The farmer and small dealer and shipper would be in the dark, while the speculators would possess a knowledge that would make them complete masters of the situation; and does anyone suppose they would hesitate to use it to further their own interests, and to take advantage of the farmer and small dealer? The real interests of the farmers demand not only a continuance of the publication of statistics as to crops, by both State and National Governments, but that their greater frequency and greater reliability be constantly sought—to the end that the farmer and small dealer may have an equal chance with the monopolist and speculator. By means of such reports, published as frequently as may be required, the intelligent farmer may be practically as well informed as the board of trade operator, and may use his knowledge to his own advantage in marketing his produce. Again, every well informed person knows that uncertainty is the greatest disturber of markets, and breeds more speculation than any or all other agencies combined; and it also does more to depress prices and demoralize markets than any known case of over-production. If, in the absence of any official reports, a combination of speculators wish to inflate prices so as to unload, it is necessary only to promulgate through some unsuspected agency a report of a short crop in some distant region, and their purpose is accomplished; while the reaction that follows leaves legitimate dealers as well as farmers uncertain, timid and distrustful of any information about markets. Should the object of the speculators be to depress markets unnaturally, to enable them to buy up the products of the country at only a fraction of their value, by the dissemination of alleged news of a great surplus in Europe or India, their purpose is again accomplished. In either case nobody possesses or can obtain any reliable information to disprove the current reports till they have done their work. The remedy for such evils is full and complete information, which shall be trustworthy and obtainable by everybody.

The year has been an unfavorable one for the farmers of the State—the most unfavorable as a whole since the earliest settlement. The average crop of the State is slightly the smallest on record, or at best as small as ever has been raised—although the quality of the grain is above the average. The only portion of

the State that harvested a fair crop is the northeastern section. To add to the distress occasioned by the poor crop, the price of wheat has been the lowest in the history of recent years—averaging, according to the Government report for December, only forty-three cents per bushel. The cause of such an abnormally low price is doubtless to be attributed more to the financial disturbance of the country and the world than to any surplus in the supply.

WHEAT—ACREAGE AND PRODUCT FOR 1892 AND 1893.

COUNTIES	1892			1893		
	Acreage	Average Yield	Product	Acreage	Average Yield	Product
Barnes	125,087	14.74	1,843,350	137,105	6.76	926,830
Benson	41,820	15.47	647,087	51,226	10.88	557,339
Billings	----	----	----	----	----	----
Bottineau	49,154	16 18	795,489	50,175	7.25	363,769
Burleigh	21,095	13.18	278,079	20,871	8.33	173,855
Cass	462,235	13.32	6,155,098	452,603	8.31	3,761,131
Cavalier	58,022	13.13	761,992	59,630	17.44	1,039,947
Dickey	112,474	11.66	1,311,604	118,717	4.76	565,093
Eddy	27,094	14 55	394,137	31,210	11.31	352,985
Emmons	25,586	11 87	303,676	24,584	7.15	175,776
Foster	27,320	12.20	333,384	30,302	10.25	310,595
Grand Forks	255,062	12.68	3,233,623	204,712	10.15	2,077,827
Griggs	44,487	15.60	694,063	51,639	9.42	486,698
Kidder	25,011	11.45	286,280	24,655	4.93	121,549
LaMoure	62,884	12.08	759,874	67,412	4.68	315,488
Logan	10,766	7.44	80,065	5,894	5.75	33,890
McHenry	10,453	11.21	117,170	10,243	6.50	66,579
McIntosh	55,000	9.47	521,114	53,996	7.22	389,851
McLean	5,896	11.95	70,445	5,050	9.35	47,217
Mercer	3,211	10.93	35,107	2,900	5.00	14,500
Morton	17,466	14 24	248,648	21,083	8.38	176,570
Nelson	61,061	14.79	902,900	63,910	9.36	598,198
Oliver	1,314	18.58	24,343	1,334	8.00	10,672
Pembina	205,430	13 44	2,760,525	209,412	13.53	2,833,344
Pierce	12,425	15.13	187,949	13,993	8.82	123,418
Ramsey	77,130	15.49	1,194,495	78,787	9.57	753,992
Ransom	93,604	13.93	1,304,278	100,417	5.67	569,364
Richland	166,457	17.13	2,852,239	196,857	8.08	1,590,605
Rolette	25,521	15.34	391,604	27,811	9.98	277,554
Sargent	105,597	14.57	1,538,580	116,608	7.15	833,747
Stark	11,489	11.06	127,091	12,186	5.08	61,905
Steele	92,901	14.00	1,300,171	105,158	10.44	1,097,850
Stutsman	55,753	12.27	684,100	54,561	8.08	440,853
Towner	37,439	17.36	649,970	48,371	12.89	623,503
Traill	260,255	14.68	3,819,931	255,677	10.53	2,692,279
Walsh	196,299	14.56	2,858,310	231,742	12.79	2,963,980
Ward	2,079	12.41	25,810	1,631	6.60	10,765
Wells	32,265	13.62	439,527	33,782	12.09	408,424
Williams	17	19.29	328	21	6.00	126
UNORGANIZED—						
Hettinger	11	15.82	174	36	5.00	180
Dunn, McKenzie, Allred and Wallace	919	11.68	10,736	1,135	5.00	5,675
TOTALS	2,878,089	13.88	39,943,346	2,977,436	9.36	27,853,923

OATS—ACREAGE AND PRODUCT FOR 1892 AND 1893.

COUNTIES	1892			1893		
	Acreage	Average Yield	Product	Acreage	Average Yield	Product
Barnes	22,387	31.87	713,545	34,252	17.58	602,150
Benson	6,277	34.69	217,741	9,328	22.28	207,828
Billings	------	------	------	------	------	------
Bottineau	5,493	22.29	122,414	9,463	13.12	124,202
Burleigh	5,219	23.96	125,050	5,936	14.48	85,953
Cass	56,544	34.10	1,928,268	65,201	24.16	1,575,256
Cavalier	18,067	30.26	546,731	24,437	27.40	669,573
Dickey	9,467	31.67	299,787	15,432	11.25	173,619
Eddy	5,094	29.94	152,510	6,286	21.50	135,149
Emmons	3,449	20.86	71,936	4,793	14.90	71,416
Foster	5,047	29.79	150,359	6,161	20.30	125,068
Grand Forks	35,677	35.66	1,272,117	44,677	26.51	1,184,387
Griggs	6,558	32.56	213,514	7,818	20.91	163,474
Kidder	3,490	20.21	70,546	3,908	12.96	50,648
LaMoure	8,042	25.13	202,067	8,957	11.57	103,632
Logan	1,047	14.81	15,506	1,155	12.50	14,437
McHenry	1,880	25.13	47,250	2,589	22.50	58,252
McIntosh	6,583	16.06	105,753	6,745	15.00	101,175
McLean	1,970	20.49	40,368	2,231	15.48	34,536
Mercer	877	25.12	22,026	1,198	8.50	10,183
Morton	4,449	26.61	118,397	6,391	14.00	89,474
Nelson	9,468	33.94	327,448	12,333	20.55	253,443
Oliver	869	28.01	24,340	1,182	25.00	29,540
Pembina	32,102	32 90	1,056,045	32,670	28.86	942,856
Pierce	1,474	34.11	50,284	2,232	16.21	36,181
Ramsey	10,574	36.28	383,579	13,054	22.26	290,582
Ransom	10,034	32.53	326,456	12,302	15.73	193,510
Richland	35,566	35.17	1,250,912	37,003	20,57	761,152
Rolette	4,612	32.09	148,000	7,711	20.42	157,459
Sargent	12,413	35.08	435,388	15,142	15.50	234,701
Stark	4,610	12.57	57,926	4,176	5.96	24,889
Steele	13,646	36.23	494,369	16,251	23.61	383,686
Stutsman	10,309	27.13	279,650	11,354	21.77	247,177
Towner	7,942	35.20	279,541	10,890	26.63	280.946
Traill	31,041	35 55	1,103,641	33,205	26.85	891,554
Walsh	28,479	33.81	962,943	31,593	27.58	871,335
Ward	684	29.18	19,957	1,261	15.50	19,545
Wells	6,429	28.21	181,360	7,531	24.60	185,263
Williams	442	44.99	19,885	458	15.00	6,870
UNORGANIZED—						
Hettinger	68	20.44	1,390	50	8.00	400
Dunn, Etc.	446	19.47	8,684	646	8.00	5,168
TOTALS	428,825	32.29	13,847,683	518,002	22.02	11,405,660

BARLEY—ACREAGE AND PRODUCT FOR 1892 AND 1893.

COUNTIES	1892			1893		
	Acreage	Average Yield	Product	Acreage	Average Yield	Product
Barnes	9,814	27.80	272,805	12,192	12 43	151,546
Benson	3,438	25.23	86,750	5,017	19.35	97,079
Billings	----	----	----	----	----	----
Bottineau	1,225	25 52	31,264	2,255	15.12	34,107
Burleigh	190	16.35	3,107	318	16.01	5,091
Cass	31,240	21.98	686,746	32,129	18 52	595,029
Cavalier	16,612	23.08	383,470	20,859	22.28	464,738
Dickey	9,098	31.38	285,459	17,055	8 64	147,355
Eddy	1,136	28.78	32,695	1,578	17.50	27,615
Emmons	617	19.16	11,819	1,110	13.43	14,907
Foster	1,306	27.48	35,883	2,107	15.00	31,605
Grand Forks	16,606	26.42	438,770	20,418	20.17	411,831
Griggs	3,417	28.42	97,106	5,439	16.91	91,973
Kidder	1,455	22.52	32,760	2,500	12.47	31,175
LaMoure	2,887	24.30	70,151	4,071	9.86	40,140
Logan	448	12.83	5,749	502	10.33	5,186
McHenry	428	21.51	9,206	469	17 00	7,973
McIntosh	1,581	20.98	33,177	2,381	14 00	33,334
McLean	134	21.77	2,918	244	15.08	3,680
Mercer	159	14.26	2,267	224	13.50	3,024
Morton	166	23.01	3,820	349	12.40	4,328
Nelson	7,036	24 96	175,653	9,129	15.32	139,856
Oliver	33	22.42	740	27	20 00	540
Pembina	21,646	32.47	702,815	25,249	24.41	616,328
Pierce	475	28.41	13,495	961	13.71	13,175
Ramsey	7,748	28.96	224,384	11,158	17.68	197,218
Ransom	3,225	30.00	96,758	5,883	11.73	69,008
Richland	6,300	31 10	195,900	8,803	17.31	152,379
Rolette	1,415	22.13	31,312	1,963	15.27	29,974
Sargent	4,729	27.49	129,989	7,408	12.78	94,674
Stark	101	17.11	1,728	243	4.27	1,039
Steele	5,158	27.57	142,212	7,166	17.68	126,695
Stutsman	4,557	21.84	99,510	5,130	17.54	89,980
Towner	3,741	30.94	115,764	5,594	20.57	115,069
Traill	13,571	25.89	351,307	13,338	21.12	281,699
Walsh	17,416	28.74	500,499	17,557	22.98	403,460
Ward	78	14.10	1,100	59	5.50	324
Wells	2,082	20.87	43,452	2,599	23.00	59,777
Williams	10	23.40	234	17	5.00	85
UNORGANIZED—						
Hettinger	6	13.17	79	16	5.00	80
Dunn, Etc.	16	17.87	286	57	5.00	285
TOTALS	201,300	26.59	5,353,139	253,574	18.11	4,593,361

FLAX—ACREAGE AND PRODUCT FOR 1892 AND 1893.

COUNTIES	1892			1893		
	Acreage	Average Yield	Product	Acreage	Average Yield	Product
Barnes	101	13.43	1,356	549	7.27	3,991
Benson	281	9.54	2,682	821	7.07	5,804
Billings	----------	-----	----------	----------	-----	----------
Bottineau	47	7.55	355	16	6.00	96
Burleigh	70	10.86	760	458	5.80	2,656
Cass	218	14.33	3,125	1,790	9.31	16,665
Cavalier	31	6 61	205	116	11.00	1,276
Dickey	7,829	8 62	67,486	13,275	4.55	60,401
Eddy	100	11.35	1,135	288	8.00	2,304
Emmons	3,637	9.06	32,935	5,587	6.31	35,254
Foster	167	12.02	2,008	1,206	8.50	10,251
Grand Forks	220	18 39	4,039	672	8.25	5,544
Griggs	262	13.08	3,426	936	8.60	8,050
Kidder	419	11.35	4,757	1,655	5.17	8,556
LaMoure	1,677	9.74	16,340	5,329	5.28	28,137
Logan	835	7.94	6,631	2,319	4.83	11,201
McHenry	53	8.25	437	88	8.00	704
McIntosh	5,957	10.62	63,279	10,859	6.56	71,235
McLean	45	11.47	516	64	7.40	474
Mercer	326	5.56	1,814	594	5.17	3,071
Morton	372	8.07	3,001	646	6.60	4,264
Nelson	336	9.19	3,088	499	9.90	4,940
Oliver	----------	-----	----------	22	6.00	132
Pembina	84	15.62	1,312	169	12.70	2,146
Pierce	36	11.11	400	176	5.75	1,012
Ramsey	30	18.33	550	43	7.40	318
Ransom	389	12.42	4,832	2,026	7.36	14,911
Richland	970	9.62	9,335	2,234	8.10	18,095
Rolette	10	9.00	90	15	1 00	15
Sargent	1,414	10.73	15,168	3,526	7.63	26,903
Stark	202	8.00	1,615	305	5.20	1,586
Steele	10	13.00	130	115	8.50	977
Stutsman	159	18.93	3,010	1,095	8.50	9,307
Towner	6	11.67	70	----------	-----	----------
Traill	222	12.61	2,800	449	10.00	4,490
Walsh	170	11.06	1,881	672	10.14	6,814
Ward	19	5.26	100	----------	-----	----------
Wells	1,678	8,67	14,540	3,174	8.91	28,280
Williams	----------	-----	----------	----------	-----	----------
UNORGANIZED—						
Hettinger	5	10.00	50	18	5.00	90
Dunn, Etc.	5	5.60	28	----------	-----	----------
TOTALS	28,392	9.70	275,286	61,806	6.47	399,950

RYE—ACREAGE AND PRODUCT FOR 1892 AND 1893.

COUNTIES	1892			1893		
	Acreage	Average Yield	Product	Acreage	Average Yield	Product
Barnes	2,866	19.06	54,625	3,488	10.60	36,973
Benson	40	23.00	920	234	14.50	3,393
Billings	----------	------	----------	----------	------	----------
Bottineau	34	22.38	761	183	10.33	1,890
Burleigh	308	12.02	3,701	515	10.84	5,583
Cass	388	17.28	6,704	1,191	13.33	15,876
Cavalier	13	15.54	202	376	15.79	5,937
Dickey	1,662	17.30	28,758	4,373	9.06	39,619
Eddy	1,081	17.10	18,481	2,400	14.80	35,520
Emmons	412	16.62	6,849	1,409	9.25	13,033
Foster	393	16.16	6,349	701	11.87	8,324
Grand Forks	106	16.98	1,800	1,071	14.00	14,994
Griggs	2,588	15.23	39,427	1,896	14.40	27,302
Kidder	259	12.78	3,311	481	7.18	3,451
LaMoure	5,616	16.30	91,563	7,567	8.00	60,536
Logan	332	13.08	4,343	601	8 50	5,109
McHenry	34	17.62	599	58	12.00	696
McIntosh	2,015	16.76	33,778	3,689	12.44	45,891
McLean	11	15.82	174	40	11.44	458
Mercer	2	7.00	14	----------	------	----------
Morton	30	24.57	737	113	8.67	980
Nelson	999	17.21	17,193	2,882	13.50	38,907
Oliver	29	26.10	757	91	20.00	1,820
Pembina	232	11.47	2,661	229	17.50	4,007
Pierce	----------	------	----------	20	11.00	220
Ramsey	38	27.37	1,040	76	11.00	836
Ransom	1,212	18.47	22,390	2,026	10.18	20,625
Richland	249	14.03	3,494	447	10.57	4,725
Rolette	5	25.80	129	16	9.00	144
Sargent	1,029	18.72	19,260	2,438	9.71	23,673
Stark	7	22.29	156	113	6.75	763
Steele	905	15.69	14,203	1,797	13.76	24,727
Stutsman	1,275	17.17	21,889	1,832	10.82	19,822
Towner	----------	------	----------	110	27.00	2,970
Traill	393	21.69	8,523	730	14.50	10,585
Walsh	7	17.86	125	450	16.46	7,407
Ward	----------	------	----------	----------	------	----------
Wells	306	18.95	5,799	353	16.71	5,899
Williams	----------	------	----------	----------	------	----------
UNORGANIZED—						
Hettinger	----------	------	----------	----------	------	----------
Dunn, Etc.	4	2.50	10	5	6.00	30
TOTALS	24,880	16.91	420,725	44,001	11.20	492,725

CORN—ACREAGE AND PRODUCT FOR 1892 AND 1893.

COUNTIES	1892			1893		
	Acreage	Average Yield	Product	Acreage	Average Yield	Product
Barnes	72	51.32	3,695	273	20 40	5,569
Benson	6	40.00	240	53	15.00	795
Billings	2	13.50	27	9	10.00	90
Bottineau	2	63.50	127	6	15.00	90
Burleigh	1,319	21.22	27,983	2,537	19.27	48,901
Cass	596	24.86	14,814	1,093	23.00	25,139
Cavalier	----	----	----	2	15 00	30
Dickey	632	19.32	12,213	1,427	16.04	22,889
Eddy	4	40.00	160	6	20.00	120
Emmons	1,604	20.42	32,752	2,483	22 00	54,626
Foster	2	20.00	40	48	22.50	1,080
Grand Forks	276	37.60	10,377	152	21 86	3,323
Griggs	7	21.71	152	15	15.00	225
Kidder	65	19.74	1,283	235	15.00	3,525
LaMoure	126	35.30	4,448	238	19.43	4,624
Logan	144	4.04	582	276	18.00	4,968
McHenry	4	42.50	170	25	18.00	450
McIntosh	527	14.98	7,894	825	13.60	11,220
McLean	341	20.45	6,974	607	16.13	9,791
Mercer	231	13.98	3,230	292	14.67	4,284
Morton	1,550	19.96	30,935	1,599	14.00	22,386
Nelson	----	----	----	6	15.00	90
Oliver	266	19.44	5,172	380	25.00	9,500
Pembina	2	70.00	140	4	25.00	100
Pierce	----	----	----	----	----	----
Ramsey	3	70.00	210	45	10.00	450
Ransom	113	34.27	3,873	221	19.33	4,272
Richland	891	31.14	27,745	1,208	22.69	27,410
Rolette	2	24 50	49	2	10.00	20
Sargent	570	31.85	18,155	747	18.77	14,021
Stark	617	16.30	10,060	1,206	8.75	10,552
Steele	8	36.87	295	140	21.67	3,034
Stutsman	40	39.93	1,517	85	25.00	2,125
Towner	----	----	----	----	----	----
Traill	155	34.30	5,317	238	21.57	5,134
Walsh	14	23.21	325	29	22.23	645
Ward	38	28.95	1,100	76	16.33	1,241
Wells	----	----	----	3	18.00	54
Williams	38	17.76	675	27	15.00	405
UNORGANIZED—						
Hettinger	30	46.67	1,400	41	10 00	410
Dunn, Etc.	141	7.33	1,034	185	10.00	1,850
TOTALS	10,438	22.53	235,163	16,844	18.13	305,438

POTATOES—ACREAGE AND PRODUCT FOR 1892—1893.

COUNTIES	1892			1983		
	Acreage	Average Yield	Product	Acreage	Average Yield	Product
Barnes	863	118.8	102,534	640	64.5	41,280
Benson	153	165.6	25,339	180	68.9	12,407
Billings	4	70.0	280	5	30.0	150
Bottineau	306	115.4	35,312	230	46.9	10,787
Burleigh	432	108.2	46,755	480	58.5	28,080
Cass	1,157	120.5	139,361	1,744	70.2	122,516
Cavalier	285	149.6	42,642	333	115.4	38,428
Dickey	598	74.7	44,684	715	50.5	36,129
Eddy	124	159.0	19,712	135	75.0	10,125
Emmons	299	97.2	29,062	315	46.0	14,490
Foster	101	129 6	13,085	129	57.2	7,381
Grand Forks	1,167	111.6	130,276	998	84.8	84,580
Griggs	164	153.5	25,166	205	56.5	11,582
Kidder	88	144.0	12,670	113	49.3	5,571
LaMoure	345	91.9	31,722	346	42.9	14,850
Logan	42	88.9	3,734	54	59.8	3,229
McHenry	104	110.0	11,440	117	50.0	5,850
McIntosh	321	104.6	33,577	369	49.4	18,243
McLean	110	86.6	9,523	122	68.1	8,308
Mercer	42	106.9	4,490	47	53.3	2,505
Morton	467	100.2	46,811	570	68.4	38,988
Nelson	307	137.8	42,302	477	67.8	32,341
Oliver	70	101.5	7,108	80	75.0	6,000
Pembina	703	185.5	130,378	679	111.9	75,980
Pierce	34	143.5	4,880	35	55.7	1,950
Ramsey	312	158.4	49,427	376	74.4	27,963
Ransom	327	102.1	33,390	386	45.0	17,370
Richland	2,680	80.0	214,467	2,700	64.5	174,096
Rolette	160	123.7	19,797	184	62.5	11,500
Sargent	604	92.8	56,022	422	48.7	20,547
Stark	211	71.4	15,064	275	26.6	7,315
Steele	263	131.8	34,668	336	69.3	23,285
Stutsman	478	136.4	65,183	481	73.3	35,257
Towner	165	131.1	21,636	155	80.8	12,529
Traill	448	121.7	54,541	828	79.7	65,992
Walsh	1,274	133.0	169,382	915	101.2	92,598
Ward	121	103.7	12,544	134	51.2	6,867
Wells	150	125.4	18,812	160	91.3	14,600
Williams	65	129.4	8,411	55	50.0	1,100
UNORGANIZED—						
Hettinger	3	66.7	200	5	30.0	150
Dunn, Etc.	42	52.7	2,212	51	30.0	1,530
TOTALS	15,589	113.4	1,768,599	16,580	69.03	1,144,449

MILLET AND HUNGARIAN—ACREAGE AND PRODUCT FOR 1892 AND 1893.

COUNTIES	1892			1893		
	Acreage	Average Yield	Product, Tons	Acreage	Average Yield	Product, Tons
Barnes	2,361	1 79	4,231	2,598	1.50	3,897
Benson	322	2.00	645	454	1.75	794
Billings	7	1.57	11	10	1.25	12
Bottineau	428	1.35	577	372	.83	309
Burleigh	875	1.41	1,234	704	1 64	1.155
Cass	8,595	1 39	11,981	10,865	1.61	17,492
Cavalier	226	1.31	297	188	1.75	329
Dickey	4,370	1.32	5,755	4,180	1.13	4,723
Eddy	78	1.77	138	106	1.33	141
Emmons	577	1.79	1,030	642	1.67	1,072
Foster	136	1.51	206	66	1.42	94
Grand Forks	9,971	1.58	15,731	9,032	1.49	13,459
Griggs	808	1.64	1,325	839	1.31	1,099
Kidder	125	2.18	273	226	1.57	356
LaMoure	1,606	1.38	2,221	1,631	.86	1,403
Logan	----------	------	----------	----------	------	----------
McHenry	60	1.38	83	93	1.25	116
McIntosh	116	1.50	174	----------	------	----------
McLean	161	1.42	229	227	1.19	270
Mercer	197	.83	164	172	1.17	201
Morton	1,004	1.35	1,357	1,059	1.14	1,207
Nelson	751	1.40	1,055	975	1.52	1,482
Oliver	176	1.70	299	265	2.00	530
Pembina	3,755	1.38	5,185	2,343	1.69	3,960
Pierce	35	2.54	89	151	.88	133
Ramsey	368	2.06	757	536	1.66	890
Ransom	3,599	1.41	5,090	2,910	1.29	3,754
Richland	6,140	2.01	12,340	4,288	1.60	6,861
Rolette	34	1.71	58	45	1.50	68
Sargent	3,821	1.58	6,037	2,406	1.53	3,681
Stark	600	1.25	747	730	1.19	869
Steele	3,677	1.69	6,206	3,709	1.36	5,044
Stutsman	1,565	1.44	2,252	1,730	1.62	2,803
Towner	142	2.04	290	155	1.75	271
Traill	7,232	1.57	11,350	7,574	1.71	12,952
Walsh	7,568	1.44	10,877	7,224	1.78	12,859
Ward	331	1.59	525	426	1.12	477
Wells	311	1.28	398	247	1.54	380
Williams	15	1.00	15	9	1.00	9
UNORGANIZED—						
Hettinger	4	1.00	4	11	1.00	11
Dunn, Etc.	85	1.46	124	106	1.00	106
TOTALS	72,232	1.54	111,360	69,304	1.52	105,269

OTHER TAME GRASSES—ACREAGE AND PRODUCTS FOR 1892 AND 1893.

COUNTIES	1892			1893		
	Acreage	Average Yield	Product, Tons	Acreage	Average Yield	Product, Tons
Barnes	216	1.74	376	386	1.40	540
Benson	----------	------	----------	2	2.00	4
Billings	----------	------	----------	----------	------	----------
Bottineau	52	1.73	90	34	1.00	34
Burleigh	19	1.42	27	11	1.25	14
Cass	3,715	1.32	4,890	7,955	1.14	9,069
Cavalier	56	1.75	98	130	1.50	195
Dickey	38	1.42	54	133	1.08	144
Eddy	31	1.19	37	55	1.25	69
Emmons	200	1.27	254	93	1.37	127
Foster	3	1.00	3	3	1.50	4
Grand Forks	4,106	1.29	5,300	5,576	1.15	6,412
Griggs	65	1.05	68	2	1.13	2
Kidder	14	1.07	15	214	1.25	267
LaMoure	----------	------	----------	86	.82	71
Logan	----------	------	----------	----------	------	----------
McHenry	13	1.62	21	1	1.25	1
McIntosh	----------	------	----------	10	.75	8
McLean	100	1.65	165	----------	------	----------
Mercer	125	.80	100	40	1.00	40
Morton	4	1.50	6	23	1.00	23
Nelson	58	1.00	58	62	1.42	88
Oliver	----------	------	----------	4	1.50	6
Pembina	1,064	1.55	1,648	1,086	1.62	1,759
Pierce	----------	------	----------	----------	------	----------
Ramsey	68	2.21	150	38	1.50	57
Ransom	111	.89	99	152	.50	76
Richland	1,815	1.52	2,760	1,824	1 15	2,098
Rolette	5	1.40	7	13	1 62	21
Sargent	131	1.18	155	200	2.00	400
Stark	----------	------	----------	----------	------	----------
Steele	316	1 14	359	337	1.14	384
Stutsman	124	1.09	135	72	1.50	108
Towner	----------	------	----------	80	1.50	120
Traill	3,294	1.25	4,127	6,553	1.06	6,946
Walsh	1,835	1.28	2,318	1,835	1.39	2,422
Ward	----------	------	----------	8	1.00	8
Wells	2	1.50	3	----------	------	----------
Williams	89	1.00	89	40	1.00	40
UNORGANIZED—						
Hettinger	----------	------	----------	----------	------	----------
Dunn, Etc.	----------	------	----------	----------	------	----------
TOTALS	17,669	1.33	23,442	27,058	1.17	31,557

LIVE STOCK—NUMBERS.

NOTE—It will be observed that the horses assessed increased thirteen and one-half per cent. in the one year; while for the same period, cattle increased about two-fifths of one per cent.; sheep decreased about fourteen per cent., and hogs increased about twenty-six per cent.

COUNTIES	Horses		Cattle	
	1892	1893	1892	1893
Barnes	5,944	7,195	7,908	7,408
Benson	1,693	2,345	3,874	3,763
Billings	4,283	4,430	17,815	26,207
Bottineau	1,673	2,470	4,179	4,322
Burleigh	2,927	3,489	6,514	7,044
Cass	16,384	17,621	12,362	11,620
Cavalier	3,709	4,242	6,703	6,497
Dickey	5,561	6,143	7,311	6,504
Eddy	1,488	1,715	2,888	2,679
Emmons	2,001	3,555	6,483	5,984
Foster	1,224	1,378	1,868	1,718
Grand Forks	14,574	15,278	12,177	11,541
Griggs	2,144	2,758	4,012	4,260
Kidder	584	1,657	2,601	2,909
LaMoure	2,834	3,492	5,319	5,099
Logan	556	663	1,128	1,422
McHenry	1,659	1,968	8,627	8,545
McIntosh	2,483	3,029	5,258	4,643
McLean	756	1,579	1,998	3,193
Mercer	458	685	1,138	2,538
Morton	4,477	5,253	13,783	14,609
Nelson	3,091	3,572	7,411	6,676
Oliver	552	657	1,777	1,673
Pembina	11,665	12,311	10,114	9,830
Pierce	497	850	1,518	1,583
Ramsey	3,570	4,288	5,484	4,972
Ransom	4,502	5,082	5,228	5,004
Richland	8,346	10,137	12,059	11,462
Rolette	1,365	1,950	2,984	2,974
Sargent	4,138	5,125	6,226	6,034
Stark	2,102	2,203	6,944	8,377
Steele	4,173	4,813	6,525	5,212
Stutsman	2,934	3,557	5,821	5,696
Towner	1,309	1,814	1,590	1,513
Traill	10,859	11,681	9,061	8,029
Walsh	11,663	11,932	10,787	10,160
Ward	745	1,730	3,556	5,443
Wells	1,382	1,770	2,681	2,598
Williams	355	636	5,078	2,735
TOTAL ORGANIZED	152,540	174,513	237,602	243,229
*UNORGANIZED—				
Allred	....	20	....	110
Dunn	....	1,112	....	7,255
Hettinger	....	230	....	2,068
McKenzie	....	497	....	17,390
Wallace	....	118	....	679
TOTAL UNORGANIZED	2,951	1,977	32,005	27,502
GRAND TOTAL	155,491	176,490	269,607	270,731

* The unorganized counties were not separately returned in 1892.

LIVE STOCK—NUMBERS.

COUNTIES.	Sheep		Hogs	
	1892	1893	1892	1893
Barnes	9,655	8,816	1,275	1,642
Benson	3,964	918	388	499
Billings	6,174	8,157	9	1
Bottineau	689	794	378	435
Burleigh	7,710	6,134	342	516
Cass	7,600	5,523	4,228	4,506
Cavalier	3,058	2,926	1,631	1,923
Dickey	7,202	5,476	711	621
Eddy	1,955	2,648	269	429
Emmons	17,653	16,870	454	841
Foster	3,075	2,012	164	246
Grand Forks	10,640	6,633	3,147	4,030
Griggs	2,220	2,024	523	734
Kidder	11,532	10,186	224	377
LaMoure	5,788	4,238	479	542
Logan	2,308	1,715	148	265
McHenry	18,248	17,987	123	185
McIntosh	1,317	1,489	1,156	1,752
McLean	1,627	3,573	265	451
Mercer	8,253	9,143	211	290
Morton	28,997	31,318	698	892
Nelson	18,363	8,831	855	1,001
Oliver	8,165	10,716	112	139
Pembina	6,730	7,129	3,725	4,363
Pierce	4,025	3,299	54	91
Ramsey	4,216	3,641	808	1,078
Ransom	4,150	3,145	722	927
Richland	3,488	4,065	2,378	2,929
Rolette	2,936	1,623	428	624
Sargent	2,894	1,886	802	1,044
Stark	18,824	16,286	297	460
Steele	2,689	2,576	1,113	1,475
Stutsman	20,963	12,899	306	523
Towner	768	515	289	526
Traill	2,577	2,318	2,724	3,047
Walsh	4,495	4,345	3,490	4,656
Ward	7,728	13,522	120	142
Wells	4,866	2,874	384	555
Williams	10,453	5,421	20	26
TOTAL ORGANIZED	282,995	252,571	35,660	44,783
*UNORGANIZED—				
Allred	....	1,500	....	....
Dunn	....	7,808	....	98
Hettinger	....	11,517	....	17
McKenzie	....	....	....	....
Wallace	....	....	....	4
TOTAL UNORGANIZED	34,652	20,825	65	119
GRAND TOTAL	317,647	273,396	35,725	44,902

* Not separately returned in 1892.

WOOL AND ANIMALS.

COUNTIES	Wool Clipped—lbs.		Animals Fatted and Killed Value	
	1891	1892	1891	1892
Barnes	21,543	62,160	$ 22,164	$ 44,804
Benson	18,593	19,987	9,266	16,293
Billings	3,500	27,303	670	2,300
Bottineau	1,814	4,480	8,712	14,673
Burleigh	19.039	44,371	14,791	18,498
Cass	27,976	52,592	121,874	97,849
Cavalier	6,601	18,606	33,795	47,275
Dickey	33,547	59,220	144,172	42,302
Eddy	11,661	12,797	9,363	14,633
Emmons	93,825	98,892	19,208	27,302
Foster	18,625	21,920	19,034	4,109
Grand Forks	54,611	73,743	64,221	80,409
Griggs	4,920	14,107	15,700	14,117
Kidder	40,180	58,924	5,169	10,699
LaMoure	23,015	34,913	13,670	20,974
Logan	4,137	13,688	1,304	2,401
McHenry	59,186	111,979	29,101	30,514
McIntosh	6,027	9,063	10,979	15,702
McLean	3,284	14,388	6,907	8,031
Mercer	10,032	79,248	2,717	15,935
Morton	104,311	176,867	22,902	37,445
Nelson	45,490	80,466	16,228	28,730
Oliver	32,180	56,313	4,215	2,500
Pembina	32,022	38,094	75,260	78,626
Pierce	7,886	25,045	695	7 665
Ramsey	12,637	28,774	17,696	26,478
Ransom	19,236	20,788	15,610	23,406
Richland	22,204	19,736	73,907	63,680
Rolette	8,373	15,021	7,692	13,408
Sargent	14,105	18,008	18,523	29,830
Stark	50,420	132,690	10,710	8,558
Steele	12,791	17,580	22,595	32,819
Stutsman	65,842	123,110	39,682	35,652
Towner	3,000	3,019	5,018	10,185
Traill	8,900	17,730	42,854	56,242
Walsh	20,902	27,614	74,539	74,504
Ward	53,510	52,860	15,151	10,067
Wells	19,961	21,618	8,092	11,006
Williams	60,000	62,718	----------	----------
TOTAL ORGANIZED	1,055,986	1,770,432	1,025,586	1,084,299
*UNORGANIZED—				
Allred	----------	----------	----------	----------
Dunn	----------	----------	----------	----------
Hettinger	28,400	75,070	4,597	4,705
McKenzie	----------	----------	----------	----------
Wallace	----------	----------	----------	----------
TOTAL UNORGANIZED	28,400	151,870	4,597	35,438
GRAND TOTAL	1,084,386	1,922,302	$ 1,030,183	$ 1,119,737

* Only Hettinger separately returned.

INDUSTRIAL STATISTICS.

The following tables embrace a portion of the work of both 1892 and 1893 done in compliance with section two of chapter 115 of the laws of 1891. The figures for the two years are placed side by side to facilitate comparison.

It will be observed that in each table a larger number of establishments answered the Commissioner's schedule in 1893 than in 1892—the increased number of answers extending to nearly all industries. The only notable decrease is in creameries and cheese factories, which is occasioned by nearly all of such establishments in the State going out of business. In the matter of brick yards all the important plants in the State, with one exception, made proper returns in 1893; and in coal mines it is believed that all the principal mines have reported—which enables full and complete statistics to be given regarding this growing industry. The great increase shown in these industries, as in gas and electric lighting, boiler factories, and to some extent printing establishments, is due to a greater extent to the increased willingness of the proprietors to supply the data asked than to any increase in the business represented—though there has been an important increase especially in the coal mining industry.

There are some few industries which are so inextricably mixed up with retailing goods made in larger factories that the figures here presented are not of much value. This is especially the case with harness shops, while it is also observable in the returns from some other lines of business. Twenty or thirty years ago every town or village had its thriving shoe shop, with several employes, doing custom work for the communities; but now one is seldom seen. The large factory has driven the small shoemaker out of business, so that repair shops are all that can be found in the smaller cities and towns—or in fact anywhere in the West. The old-time harness shop seems doomed to follow the shoe shop. Most country harness makers are now more nearly described as retail merchants, selling factory made harness while still doing a small amount of custom work. Tailor shops are similarly affected by the ready-made clothing houses, and many tailors now handle ready-made clothing themselves. Similar statements may probably be made of boiler factories and machine shops—most of them now being essentially repair shops.

And on the whole, there cannot be said to be more than six out of the eleven industries named in the tables that justify continuing these reports on industrial statistics. The further development of the State will, however, certainly introduce many other industries, and greatly extend those that are permanently established.

It will be observed that no figures are given for either coal mines or saw mills under either private firms or corporations, but they are grouped together under the head of "aggregates for both private firms and corporations." This is done to avoid disclosing the business of any one firm, which is forbidden by the section of law above referred to.

The larger or smaller total capital invested in 1893 than in 1892, or the larger or smaller value of materials used or total output of an industry, does not necessarily imply an increase or decrease of business values, as it may result from a larger or smaller number of extensive plants making returns than had been the case the former year; and a real comparison can only be made by comparing the answers of plant by plant for the two years. Time has not permitted this to be done, but it will be completed in time for the next biennial report. But for flouring mills, creameries, and saw mills, the figures in the tables may be considered a fair index of the business—the result showing a decreased business. With flouring mills this decrease is partially accounted for by the fact that ten mills could make returns in 1893 for only six months, while for 1892 most of the same mills reported their business for the entire year. The cause of failure to obtain the figures for the other six months in 1893 was change in ownership.

These tables embrace by no means all the materials gathered in relation to the subjects treated, but are all that time has thus far permitted to be properly prepared. The entire matter will be completed in time for the next biennial report.

CAPITAL INVESTED—Private Firms.

INDUSTRY	Number of Establishm's		Number of Partners		Amount Invested		Average Amount per Establishment		Average Amount per Partner	
	1892	1893	1892	1893	1892	1893	1892	1893	1892	1893
Boiler Factories, Foundries and Machine Shops	2	1	3	2	$ 9,500 00	$ 7,500 00	$ 4,750 00	$ 7,500 00	$ 3,166 66	$ 3,750 00
Brick Yards, Potteries and Lime Kilns	6	6	6	14	27,500 00	67,500 00	4,583 33	11,250 00	4,583 33	4,821 43
Cigar Factories	10	12	12	13	9,550 00	10,650 00	955 00	887 50	795 83	819 23
Coal Mines	----	----	----	----	----------	----------	----------	----------	----------	----------
Creameries and Cheese Factories	5	3	7	4	11,950 00	6,450 00	2,390 00	2,150 00	1,707 14	1,612 50
Electric Lights and Gas	----	----	----	----	----------	----------	----------	----------	----------	----------
Flouring Mills	14	13	24	23	290,000 00	219,500 00	20,714 71	16,884 62	12,083 33	9,543 48
Harness Shops	29	33	34	42	70,700 00	125,500 00	2,437 93	3,803 03	2,079 41	2,988 10
Printing, Publishing & Bookb'd'g Establishmt's	51	57	71	71	164,750 00	262,302 00	3,230 39	4,601 78	2,320 42	3,694 39
Saw Mills	----	----	----	----	----------	----------	----------	----------	----------	----------
Tailor Shops	12	13	13	14	14,950 00	18,200 00	1,245 83	1,400 00	1,150 00	1,300 00
Totals	135	144	176	192	$ 609,200 00	$ 768,802 00	$ 4,512 59	$ 5,338 90	$ 3,461 36	$ 4,004 18

CAPITAL INVESTED—CORPORATIONS.

INDUSTRY	Number of Establishm's		Number of Stockholders		Amount Invested		Average Amount per Establishment		Average Amount per Stockholder	
	1892	1893	1892	1893	1892	1893	1892	1893	1892	1893
Boiler Factories, Foundries and Machine Shops	....	....	....	....	$........	$........	$........	$........	$........	$........
Brick Yards, Potteries and Lime Kilns	....	....	....	....	....	....	....	....	....	....
Cigar Factories	....	....	....	....	....	....	....	....	....	....
Coal Mines	....	....	....	....	....	....	....	....	....	....
Creameries and Cheese Factories	3	....	279	....	6,800 40	....	2,280 00	....	24 52	....
* Electric Lights and Gas	2	3	5	16	30,000 00	210,000 00	15,000 00	70,000 00	6,000 00	13,125 00
† Flouring Mills	9	14	35	51	636,000 00	650,000 00	70,666 66	46,428 57	18,171 43	12,745 10
Harness Shops	....	....	....	....	....	....	....	....	....	....
Printing, Publishing & Bookb'd'g Establishm'ts	4	7	25	52	54,400 00	81,800 00	13,600 00	11,685 71	2,176 00	1,573 08
Saw Mills	....	....	....	....	....	....	....	....	....	....
Tailor Shops	....	....	....	....	....	....	....	....	....	....
TOTALS	18	26	344	128	$ 727,240 00	$1,091,800 00	$ 40,402 22	$ 41,992 31	2,114 07	8,529 69

* One establishment which in 1893 furnished both kinds of light, and returned separate reports for each, is counted as two plants.

† Two corporations owning and operating four mills in 1892 are counted as four establishments, and two corporations owning and operating twelve mills in 1893 are counted as twelve establishments.

CAPITAL INVESTED—Aggregates for Both Private Firms and Corporations.

INDUSTRY	Number of Establishm's		Number of Partners or Stockholders		Amount Invested		Average Amount per Establishment		Average Amount per. Partner or Stockholder	
	1892	1893	1892	1893	1892	1893	1892	1893	1892	1893
Boiler Factories, Foundries and Machine Shops	2	1	3	2	$ 9,500 00	$ 7,500 00	$ 4,750 00	$ 7,500 00	$ 3,166 66	$ 3,750 00
Brick Yards Potteries and Lime Kilns	6	6	6	14	27,500 00	67,500 00	4,583 33	11,250 00	4,583 33	4,821 43
Cigar Factories	10	12	12	13	9,550 00	10,650 00	955 00	887 50	795 83	819 23
Coal Mines	3	5	3	10	5,600 00	95,000 00	1,866 66	19,000 00	1,866 66	9,500 00
Creameries and Cheese Factories	8	3	286	4	18,790 00	6,450 00	2,348 75	2,150 00	65 70	1,612 50
* Electric Lights and Gas	2	3	5	16	30,000 00	210,000 00	15,000 00	70,000 00	6,000 00	13,125 00
† Flouring Mills	23	27	59	74	926,000 00	869,500 00	40,260 87	32,203 70	15,694 92	11,750 00
Harness Shops	29	33	34	42	70,700 00	125,500 00	2,437 93	3,803 03	2,079 41	2,988 10
Printing, Publishing & Bookb'd'g Establishm'ts	55	64	96	123	219,150 00	344,102 00	3,984 54	5,376 59	2,282 81	2,797 58
Saw Mills	3	3	3	8	4,700 00	106,200 00	1,566 66	35,400 00	1,566 66	13,275 00
Tailor Shops	12	13	13	14	14,950 00	18,200 00	1,245 83	1,400 00	1,150 00	1,400 00
TOTALS	153	170	520	320	$ 1,336,440 00	$ 1,860,602 00	8,734 90	$ 10,944 72	$ 2,570 08	$ 5,814 38

* One establishment which in 1893 furnished both kinds of light and returned separate reports for each is counted as two plants.

† Two corporations owning and operating four mills in 1892 are counted as four establishments, and two corporations owning and operating twelve mills in 1893 are counted as twelve establishments.

STOCK OR MATERIALS USED—VALUES—PRIVATE FIRMS.

INDUSTRY	Number of Establishments		Total Value of Materials Used		Average Value per Establishment	
	1892	1893	1892	1893	1892	1893
Boiler Factories, Foundries and Machine Shops	2	1	$ 4,030 00	$ 1,044 00	$ 2,015 00	$ 1,044 00
Brick Yards, Potteries and Lime Kilns	8	7	10,329 00	12,153 50	1,291 12	1,736 21
Cigar Factories	12	14	18,620 37	27,280 30	1,551 70	1,948 59
Coal Mines	------	------	------	------	------	------
Creameries and Cheese Factories	6	2	11,534 20	811 00	1,922 37	405 50
Electric Light and Gas Works	------	------	------	------	------	------
Flouring Mills	14	13	677,747 60	466,377 00	48,410 54	35,875 15
Harness Shops	32	37	80,964 07	60,410 00	2,530 13	1,632 70
Printing, Publishing and Bookbinding Establishments	51	61	49,437 96	55,849 00	969 37	915 56
Saw Mills	3	2	1,400 00	2,000 00	466 67	1,000 00
Tailor Shops	16	13	27,011 47	24,441 00	1,688 22	1,880 08
TOTALS	144	150	$ 881,074 67	$ 650,365 80	$ 6,118 57	$ 4,335 77

STOCK OR MATERIALS USED—VALUES—CORPORATIONS.

INDUSTRY	Number of Establishments		Total Value of Materials Used		Average Value per Establishment	
	1892	1893	1892	1893	1892	1893
Boiler Factories, Foundries and Machine Shops	1	2	$ 1,200 00	44,686 04	$ 1,200 00	$ 22,343 02
Brick Yards, Potteries and Lime Kilns	------	------	------	------	------	------
Cigar Factories	------	------	------	------	------	------
Coal Mines	------	------	------	------	------	------
Creameries and Cheese Factories	3	------	17,584 93	------	5,861 64	------
Electric Light and Gas Works	2	4	4,262 00	23,045 32	2,131 00	5,761 33
Flouring Mills	9	13	1,308,779 79	744,282 00	145,419 98	57,252 46
Harness Shops	------	------	------	------	------	------
Printing, Publishing and Bookbinding Establishments	6	6	19,147 95	14,413 08	3,191 32	2,402 18
Saw Mills	1	1	110,000 00	24,525 00	110,000 00	24,525 00
Tailor Shops	------	------	------	------	------	------
TOTALS	22	26	$ 1,460,974 67	$ 850,951 44	$ 66,407 94	$ 32,728 90

STOCK OR MATERIALS USED—VALUES—AGGREGATES FOR BOTH PRIVATE FIRMS AND CORPORATIONS.

INDUSTRY	Number of Establishments		Total Value of Materials Used		Average Value per Establishment	
	1892	1893	1892	1893	1892	1893
Boiler Factories, Foundries and Machine Shops	3	3	$ 5,230 00	$ 45,730 04	$ 1,743 33	$ 15,243 35
Brick Yards, Potteries and Lime Kilns	8	7	10,329 00	12,153 50	1,291 12	1,736 21
Cigar Factories	12	14	18,620 37	27,280 30	1,551 70	1,948 59
Coal Mines	......	......	....	....	....	....
Creameries and Cheese Factories	9	2	29,119 13	811 00	3,235 46	405 50
Electric Light and Gas Works	2	4	4,262 00	23,045 32	2,131 00	5,761 33
Flouring Mills	23	26	1,986,527 39	1,210,659 00	86,370 76	46,563 81
Harness Shops	32	37	80,964 07	60,410 00	2,530 13	1,632 70
Printing, Publishing and Bookbinding Establishments	57	67	68,585 91	70,262 08	1,203 26	1,048 69
Saw Mills	4	3	111,400 00	26,525 00	27,850 00	8,841 67
Tailor Shops	16	13	27,011 47	24,441 00	1,688 22	1,880 08
TOTALS	168	176	$ 2,342,049 34	$ 1,501,317 24	$ 13,940 77	$ 8,530 21

GOODS MADE OR WORK DONE—BY INDUSTRIES—PRIVATE FIRMS.

INDUSTRY	Number of Establishments		Selling Value of Product		Average Value per Establishment	
	1892	1893	1892	1893	1892	1893
Boiler Factories, Foundries and Machine Shops	2	1	$ 8,750 00	$ 2,800 00	$ 4,375 00	$ 2,800 00
Brick Yards, Potteries and Lime Kilns	8	7	33,509 00	58,919 00	4,199 88	8,417 00
Cigar Factories	12	14	41,181 00	60,387 50	3,431 75	4,313 39
Coal Mines	------	------	----------	----------	----------	----------
Creameries and Cheese Factories	8	3	19,530 50	4,710 00	2,441 31	1,570 00
Electric Lights and Gas	------	------	----------	----------	----------	----------
Flouring Mills	14	12	934,959 30	616,901 00	67,782 81	54,408 42
Harness Shops	32	37	108,850 50	110,947 00	3,401 58	2,998 57
Printing, Publishing and Bookbinding Establishments	54	66	168,002 30	219,047 00	3,111 15	3,318 89
Sawmills	------	------	----------	----------	----------	----------
Tailor Shops	15	13	64,310 30	47,196 00	4,287 35	3,630 46
TOTALS	145	153	$ 1,379,182 90	$ 1,120,907 50	$ 9,511 61	$ 7,326 19

GOODS MADE OR WORK DONE—BY INDUSTRIES—CORPORATIONS.

INDUSTRY	Number of Establishments		Selling Value of Product		Average Value per Establishment	
	1892	1893	1892	1893	1892	1893
Boiler Factories, Foundries and Machine Shops	......	2	$............	$ 112,917 65	$............	$ 56,458 82
Brick Yards, Potteries and Lime Kilns	......	......	....	....	....	....
Cigar Factories	......	......	....	....	....	....
Coal Mines	......	......	....	....	....	....
Creameries and Cheese Factories	3	......	27,491 96	....	9,163 99	....
Electric Lights and Gas	2	4	9,575 00	75,326 50	4,787 50	18,831 63
Flouring Mills	9	13	1,624,301 26	1,053,364 00	180,477 92	81,028 00
Harness Shops	......	......	....	....	....	....
Printing, Publishing and Bookbinding Establishments	4	7	65,642 00	70,842 00	16,410 50	10,120 28
Saw Mills	......	......	....	....	....	....
Tailor Shops	......	......	....	....	....	....
TOTALS	18	26	$ 1,727,010 22	$ 1,312,450 15	95,915 01	$ 50,478 85

GOODS MADE OR WORK DONE—BY INDUSTRIES—AGGREGATES FOR BOTH PRIVATE FIRMS AND CORPORATIONS.

INDUSTRY	Number of Establishments		Selling Value of Products		Average Value per Establishment	
	1892	1893	1892	1893	1892	1893
Boiler Factories, Foundries and Machine Shops	2	3	$ 8,750 00	$ 115,717 65	$ 4,375 00	$ 38,592 55
Brick Yards, Potteries and Lime Kilns	8	7	33,599 00	58,919 00	4,199 88	8,417 00
Cigar Factories	12	14	41,181 00	60,387 50	3,431 75	4,313 39
Coal Mines	4	7	4,905 50	43,535 00	1,226 87	6,219 29
Creameries and Cheese Factories	11	3	47,022 46	4,710 00	4,274 77	1,570 00
Electric Lights and Gas	2	4	9,575 00	75,326 50	4,787 50	18,831 63
Flouring Mills	23	25	2,559,260 56	1,670,265 00	111,272 19	66,810 60
Harness Shops	32	37	108,950 50	110,947 00	3,401 58	2,998 57
Printing, Publishing and Bookbinding Establishments	58	73	233,644 30	289,889 00	4,028 35	3,971 08
Saw Mills	4	3	163,672 00	42,774 00	40,918 00	14,258 00
Tailor Shops	15	13	64,310 30	47,196 00	4,287 35	3,630 46
TOTALS	171	189	$ 3,274,770 62	$ 2,519,666 65	19,150 71	$ 13,331 57